

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 07/05/01  
Date Received: 06/21/01  
Project: % of Acid, PO# M66324  
Date Extracted: 07/02/01  
Date Analyzed: 07/03/01

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES  
FOR SPECIFIC GRAVITY  
@ 15.56 °C**

**Sample ID**

Laboratory ID

**Specific Gravity**

**M66324A (lg)**

106106-01

**1.28**

**M66324B (sm)**

106106-02

**1.35**

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RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES  
FOR PERCENT ACID CONTENT

Sample ID  
Laboratory ID

% Acid

M66324A (lg)  
106106-01

13

M66324B (sm)  
106106-02

14

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**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES  
FOR TOTAL IRON  
BY INDUCTIVELY COUPLED PLASMA (ICP)**  
Results Reported as  $\mu\text{g/g}$  (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Iron</u>
M66324A (lg) 106106-01	67,000
M66324B (sm) 106106-02	50,000
Method Blank	<10.0

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Project: % of Acid, PO# M66324

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF AQUEOUS SAMPLES  
FOR SPECIFIC GRAVITY  
@ 15.56 °C**

Laboratory Code: 106106-01 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Specific Gravity	1.28	1.28	0	0-2



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Date of Report: 07/05/01

Date Received: 06/21/01

Project: % of Acid, PO# M66324

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF THE AQUEOUS SAMPLE  
FOR PERCENT ACID CONTENT**

Laboratory Code: 106106-01 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Percent Acid	13	13	0	0-20

## SAMPLE CHAIN OF CUSTODY

6/21/01 6/24/01 CS AI<sub>2</sub>

Send Report To BELAND A. Thompson  
 Company Alaskan Copper Works  
 Address 628 S. Orchard St  
 City, State, ZIP Seattle WA 98023  
 Phone # (206) 382-8379 Fax # (206) 382-4309

SAMPLERS (signature) [Signature]

PROJECT NAME/NO.

% of Acid

PO #

m66324

REMARKS

## TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	% of Acid	Spec. Gravity	FE		
<u>m66324A (cs)</u>	<u>01</u>	<u>6/21/01</u>	<u>10:10</u>	<u>HNO3</u>	<u>1</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>m66324B (cs)</u>	<u>02</u>	<u>6/21/01</u>	<u>10:30</u>	<u>HNO3</u>	<u>1</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>GRAD A. Thompson</u>	<u>ACW</u>	<u>6/21/01</u>	<u>11:25</u>
Received by: <u>[Signature]</u>	<u>Eric Young</u>	<u>ACW</u>	<u>6/22/01</u>	<u>3:20</u>
Relinquished by:				
Received by:				

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

July 5, 2001

**DUPLICATE COPY**

**INVOICE #01ACU0705-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project % of Acid, PO# M66324 - Results of testing requested by Gerry  
Thompson for material submitted on June 21, 2001.

2 samples analyzed for Specific Gravity @ \$25 per sample	\$ 50.00
2 samples analyzed for Percent Acid Content @ \$50 per sample	100.00
2 samples analyzed for Total Iron by Method 6010 @ \$35 per sample	<u>70.00</u>
Amount Due .....	\$ 220.00

FEDERAL TAX ID (b) (6)

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Seattle, WA 98119-2029  
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e-mail: fbi@isomedia.com

July 5, 2001

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 21, 2001 from your % of Acid, PO# M66324 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

A handwritten signature in black ink, appearing to read 'Kurt Johnson', with a long horizontal line extending to the right.

Kurt Johnson  
Chemist

Enclosures  
ACU0705R.DOC